#### (19) World Intellectual Property Organization International Bureau



# 

#### (43) International Publication Date 13 January 2005 (13.01.2005)

## **PCT**

## (10) International Publication Number WO 2005/003496 A2

(51) International Patent Classification7:

**E05D** 

(21) International Application Number:

PCT/US2004/020124

- 24 June 2004 (24.06.2004) (22) International Filing Date:
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/480,972

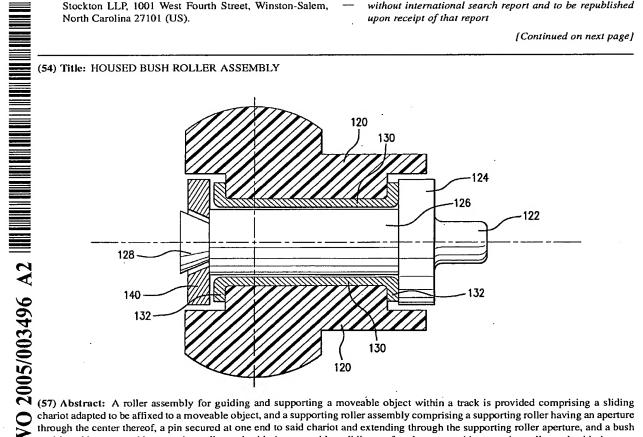
24 June 2003 (24.06.2003)

- (71) Applicant (for all designated States except US): GLACIER GARLOCK BEARINGS, INC. [US/US]; 700 Mid Atlantic Parkway, Thorofare, New Jersey 08086 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): CHECKETTS, Jonathan [GB/FR]; 10 Rue des Motties, F-92260 Fontenay-Aux-Roses (FR).
- (74) Agents: HARRINGTON, John, M. et al.; Kilpatrick Stockton LLP, 1001 West Fourth Street, Winston-Salem, North Carolina 27101 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

without international search report and to be republished upon receipt of that report



chariot adapted to be affixed to a moveable object, and a supporting roller assembly comprising a supporting roller having an aperture through the center thereof, a pin secured at one end to said chariot and extending through the supporting roller aperture, and a bush positioned between said supporting roller and said pin to provide a sliding surface between said supporting roller and said pin.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.